

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/632,710	SEROUSSI, GADIEL	
	<b>Examiner</b>	<b>Art Unit</b>	
	Sherali Ishrat	2624	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-52.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date ____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date ____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other ____</li> </ol> |
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**ISHRA SHERALI**  
**PRIMARY PATENT EXAMINER**

### ***REASONS FOR ALLOWANCE***

1. The following is statement of reasons for allowance of claims 1-13, 26-38 and 51: The present invention is a method, computer program product stored on a computer readable medium and an apparatus for embedding a watermark bit-sequence in a data stream of symbols compressed using dictionary based compression scheme with variable length indices. Independent claims 1, 26 and 51 identify the uniquely distinct features "identifying division in the set of m-bit index value including non-watermark value range, a zero-bit watermark value range and a one-bit watermark value range, determine a watermark as either a zero-bit value or one-bit value, transmitting the index value in the zero-bit watermark value range when the watermark bit value is determined to be zero-bit value and transmitting the index value in the one-bit watermark value range when the watermark bit value is determined to be one-bit value". The closest prior art to Rhoads (US 6,950,519) and Tian et al. (US 7,187,780) disclose embedding a bit-sequence in a data stream of symbols compressed using dictionary based compression scheme with variable length indices, however either singularly or in combination fail to anticipate or render above limitations obvious.

2. The following is statement of reasons for allowance of claims 14-25, 39-50 and 52: The present invention is a method, computer program product stored on a computer readable medium and an apparatus for extracting watermark bit-sequence from a data stream of symbols compressed using dictionary based

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compression scheme with variable length indices. Independent claims 14, 39 and 52 identify the uniquely distinct features "identifying division in the set of m-bit index value including non-watermark value range, classifying the input index value as member of one of the divisions within the set of m-bit index values, setting a next bit of the watermark bit sequence to a zero value when the input index value in the zero-bit watermark value range and setting a next bit of the watermark bit sequence to a one value when the input index value in the one-bit watermark value range". The closest prior art to Rhoads (US 6,950,519) and Tian et al. (US 7,187,780) disclose extracting watermark bit-sequence from a data stream of symbols compressed using dictionary based compression scheme with variable length indices, however either singularly or in combination fail to anticipate or render above limitations obvious.

### *Communication*

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherali Ishrat whose telephone number is 571-272-7398. The examiner can normally be reached on 8:00 AM - 4:30PM.

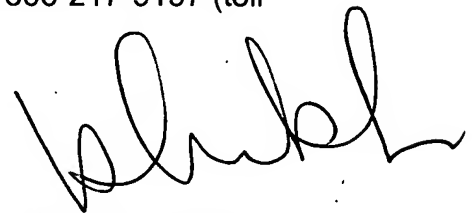
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ishrat Serali

March 26, 2007



ISHRAT SHERALI  
PRIMARY PATENT EXAMINER